



# **TITLE: A MESHED (POROUS) STEEL PIPE/TUBE USED AS CONCRETE REINFORCEMENT**

## **ABSTRACT**

A meshed (porous) steel pipe/tube which has many holes on its wall can be used as concrete reinforcement. A mass of concrete is poured into the meshed (porous) steel pipe/tube and through the holes on its wall filled into the place between steel pipe and formwork and form the composite meshed (porous) steel pipe/concrete member. The meshed (porous) steel pipe is buried in concrete it works as well as traditional reinforcement which its reinforcement is the longitudinal and transverse steel reinforce bar wired together. Even more, it have some more advantage: easy to ship/install, increase the concrete capacity, reduce the concrete member size, significantly time and labor saving, and good fire proof function.